



Neil Martin

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NoMAD

Say hello to my little friend



NoMAD?

<https://nomad.menu/>

“NoMAD allows all the functionality you would want from a Mac bound to Active Directory, without having to bind to AD”.

NoMAD?





neil4

Password expires in: 25 days

Renew Tickets

Change Password

Sign Out

Lock Screen

Get Software

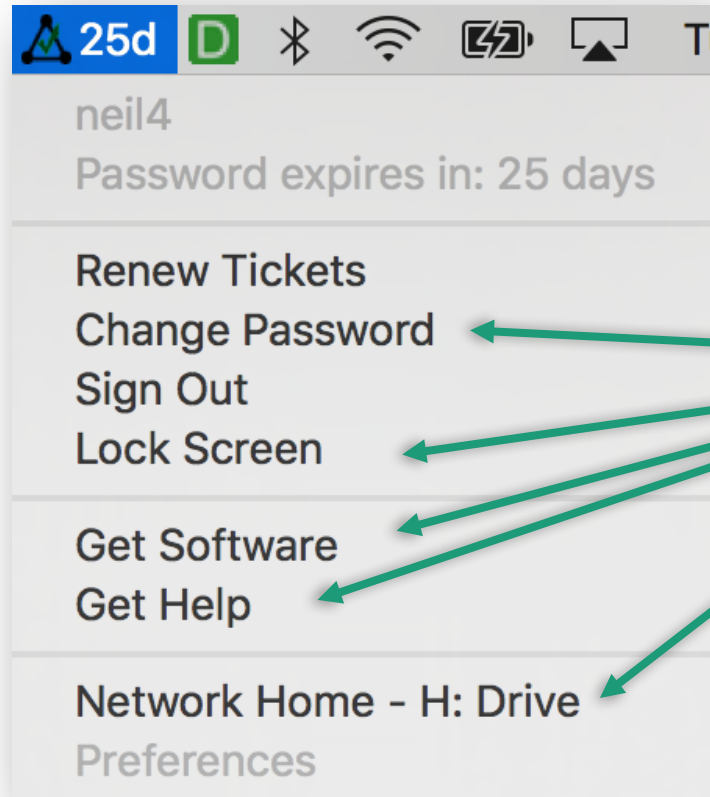
Get Help

Network Home - H: Drive

Preferences

Neil says...

“If you’re still bloody binding Macs to bloody AD, bloody deploy NoMAD”



COOL STUFF!



Didn't you say "without binding to AD"?



Didn't you say "without binding to AD"?



More cool stuff we use...

- At-a-glance connection status – triangle/tick
 - Can't connect to DC (working off site or network issue?)
 - No Kerberos Ticket (machine not bound anymore – cached account?)
- Leverage Kerberos Ticket on bound Macs for automatic sign-in
- Password expiry reminder notifications (default at D-15, configurable)

Some cool stuff we don't use...

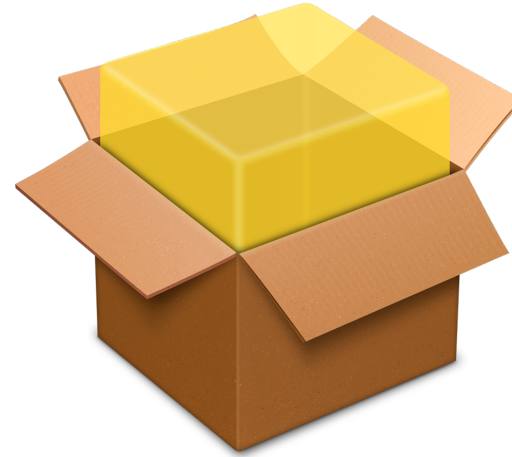
- Local password sync from the AD account (if Mac is not bound)
 - <https://nomad.menu/help-center/local-password-sync/>
- Read the com.trusourcelabs.NoMAD preference domain to get loads of info (**demo**)
- Run scripts
 - At sign-in
 - Network state change
 - From custom menu items
 - <https://nomad.menu/help-center/script-triggers/>



Eight hands of different skin tones are arranged in a circle, each pointing its index finger towards the center. The hands are positioned at approximately the 12, 1, 2, 3, 4, 5, 6, and 7 o'clock positions. The background is a solid, bright white.

<https://nomad.menu/help/>

Deployment



<https://nomad.menu/download/NoMAD.pkg>



```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>KeepAlive</key>
  <true/>
  <key>Label</key>
  <string>com.trusourcelabs.NoMAD</string>
  <key>LimitLoadToSessionType</key>
  <array>
    <string>Aqua</string>
  </array>
  <key>ProgramArguments</key>
  <array>
    <string>/Applications/NoMAD.app/Contents/MacOS/NoMAD</string>
  </array>
  <key>RunAtLoad</key>
  <true/>
</dict>
</plist>
```

<http://orchardgrove.wpengines.com/download/NoMAD-LaunchAgent.pkg>

Configuration



or



```
$ defaults write /Library/Preferences/com.trusourcelabs.NoMAD.plist
```



```
$ defaults write com.trusourcelabs.NoMAD.plist
```

<https://nomad.menu/help-center/preferences-and-what-they-do/>

Note: the defaults can be accessed via the defaults command using the "com.trusourcelabs.NoMAD" domain. The resulting preference file can be found at *~/Library/Preferences/com.trusourcelabs.NoMAD.plist*

Setting the Keys

The simplest way to set the keys is to use the defaults command.

```
defaults write com.trusourcelabs.NoMAD ADDomain nomad.test
```

will set the AD Domain to "nomad.test" for example.

Note: Boolean values can be set in one of two ways.

1. `defaults write com.trusourcelabs.NoMAD HidePrefs 1`
2. `defaults write com.trusourcelabs.NoMAD HidePrefs -bool true`

Both will result in the same setting. When reviewing the prefs that have been set, using defaults read, you'll see true values as 1 and false values as 0.

Also, for keys that take a file path value, make sure that you're escaping the paths with a \ like:

```
defaults write com.trusourcelabs.NoMAD ChangePasswordCommand -string "/usr/local/bin/my\ great\ script.sh"
```

Note that all preferences should be manageable via profiles, MDM, etc.

A note about arrays in the file



Things we configure

Key	Type	Value
GetHelpType	String	URL
GetHelpOptions	String	https://uel.topdesk.net/tas/public/login/form
HidePrefs	Boolean	True
ADDomain	String	uel.ac.uk
KerberosRealm	String	UEL.AC.UK
ShowHome	Boolean	True
MessagePasswordChangePolicy	String	"Your password should contain a minimum of six characters and include characters from at least three of the following four categories: UPPERCASE, lowercase, Numbers or Symbols. Note: Do not use £ or ~ as symbols as they will not work."
MenuHomeDirectory	String	'Network Home - H: Drive'
HideQuit	Boolean	True

Things we configure

```
$ defaults write com.trusourcelabs.NoMAD HideQuit -bool true
```

```
<key>HideQuit</key>
```

```
<true/>
```

```
$ defaults write com.trusourcelabs.NoMAD ADDomain -string 'uel.ac.uk'
```

```
<key>ADDomain</key>
```

```
<string>uel.ac.uk</string>
```



Open source rocks!

- NoMAD's Bomgar integration magic...
 - <https://gitlab.com/Mactroll/NoMAD/blob/Experimental/NoMAD/GetHelp.swift>

```
case "Bomgar":
    if let myURL = subVariables(getHelpOptions) {
        OperationQueue.main.addOperation() {
            cliTask("curl -o /tmp/BomgarClient " + myURL )
            cliTaskNoTerm("/usr/bin/unzip -o -d /tmp /tmp/BomgarClient")
            cliTask("/usr/bin/open /tmp/Bomgar/Double-Click\\ To\\ Start\\ Support\\ Session.app")
        }
    }
}
```

- I 'borrowed' the code for Jamf Self Service:
<https://soundmacguy.wordpress.com/2017/04/18/integrating-bomgar-and-jamf-self-service/>

Looking forward to 1.1 ZOMG!!!

- Share mounting – loads of options
 - At sign-in or by menu
 - Whether connected to the domain
 - Based on AD group membership
 - Read only
 - Hidden
 - <https://nomad.menu/nomad-1-1-shares-preferences/>
- Sync other passwords in the Keychain with AD (Skype, Outlook, O365...)
- Just watch the webinar
 - <https://nomad.menu/help-center/nomad-august-webinar/>

Beyond AD

- LDAP – just configure it:
 - <https://nomad.menu/ldap-only-support/>
- Beta Program - sign up!
 - <https://nomad.menu/beta/>
 - NoMAD Pro – OCTA (other identity providers soon)
 - NoMAD PKINIT – Smart Cards



Tell me moar

- <https://nomad.menu>
- Slack
 - #nomad
 - #activedirectory
- MacADUK Session -
 - <https://www.youtube.com/watch?v=t3DHf6DR9Yo>
- ...and if you're really stuck...